



	Data	Codeword
Substitutions for $i = 2$	00.11	000.00x
	00.10	000.010
	00.01	100.00x
	00.00	100.010
Basic Substituions	11	00x
	10	010
	01	10x

Fig. 1 Prior art

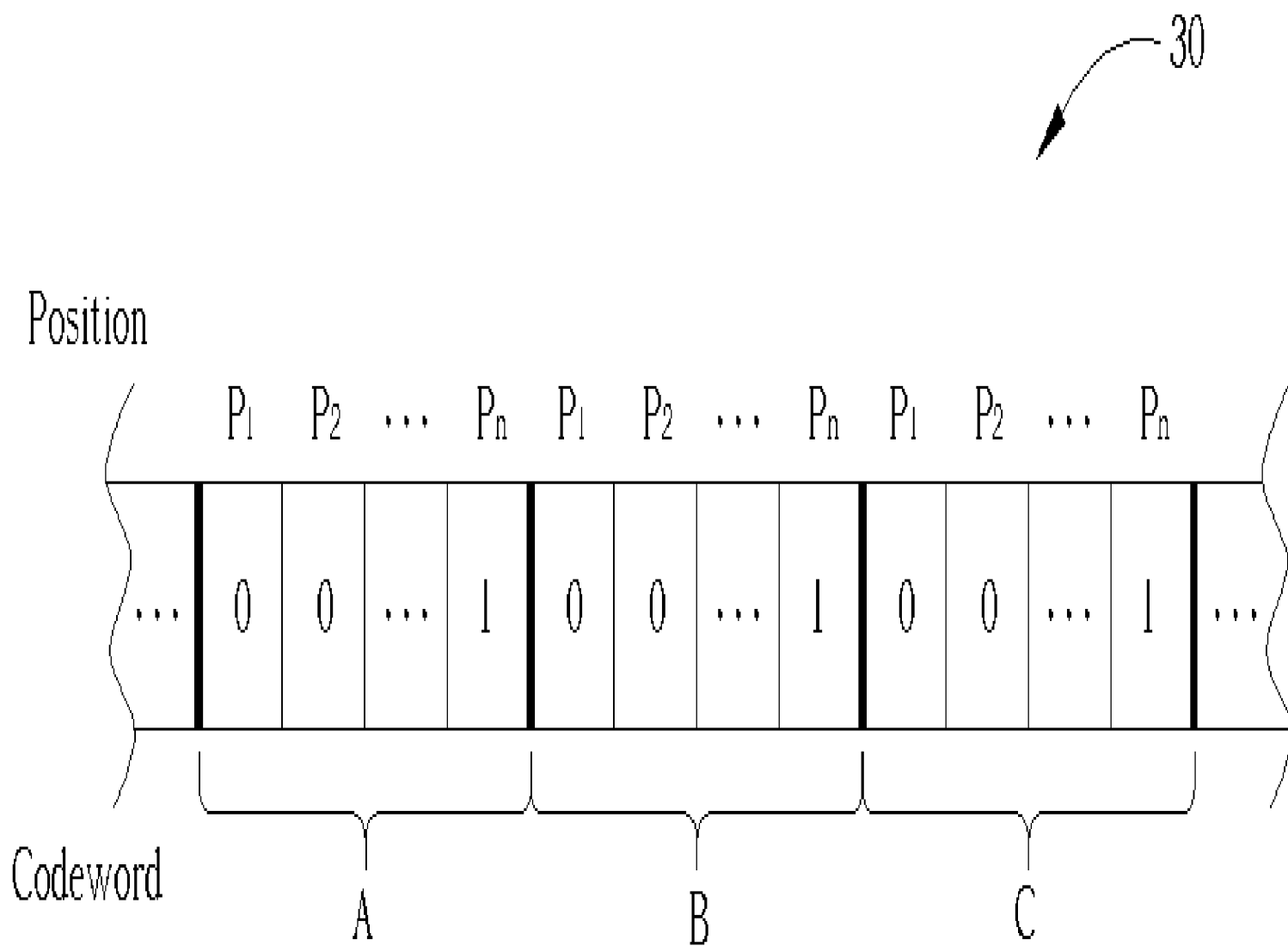


Fig. 3

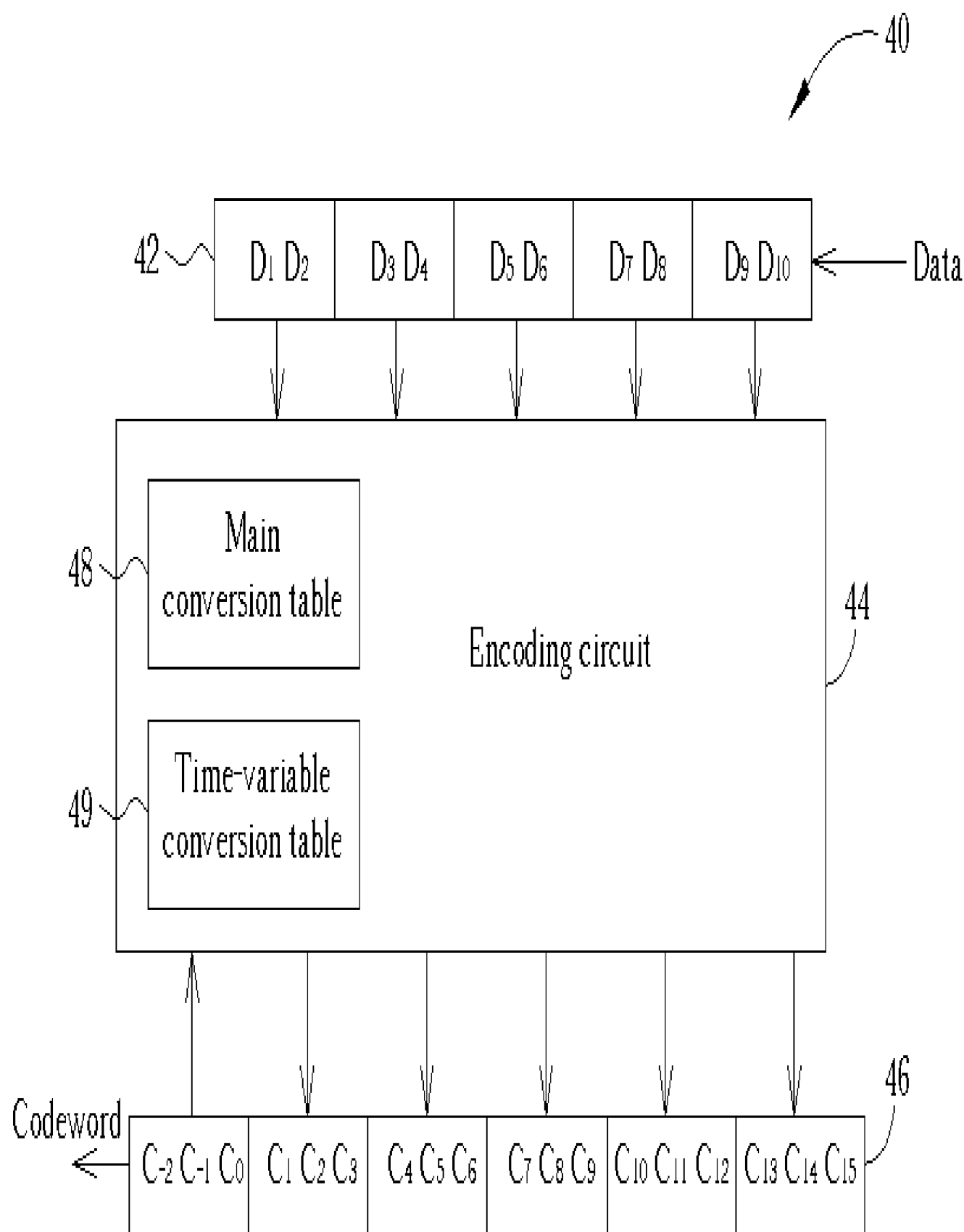


Fig. 4

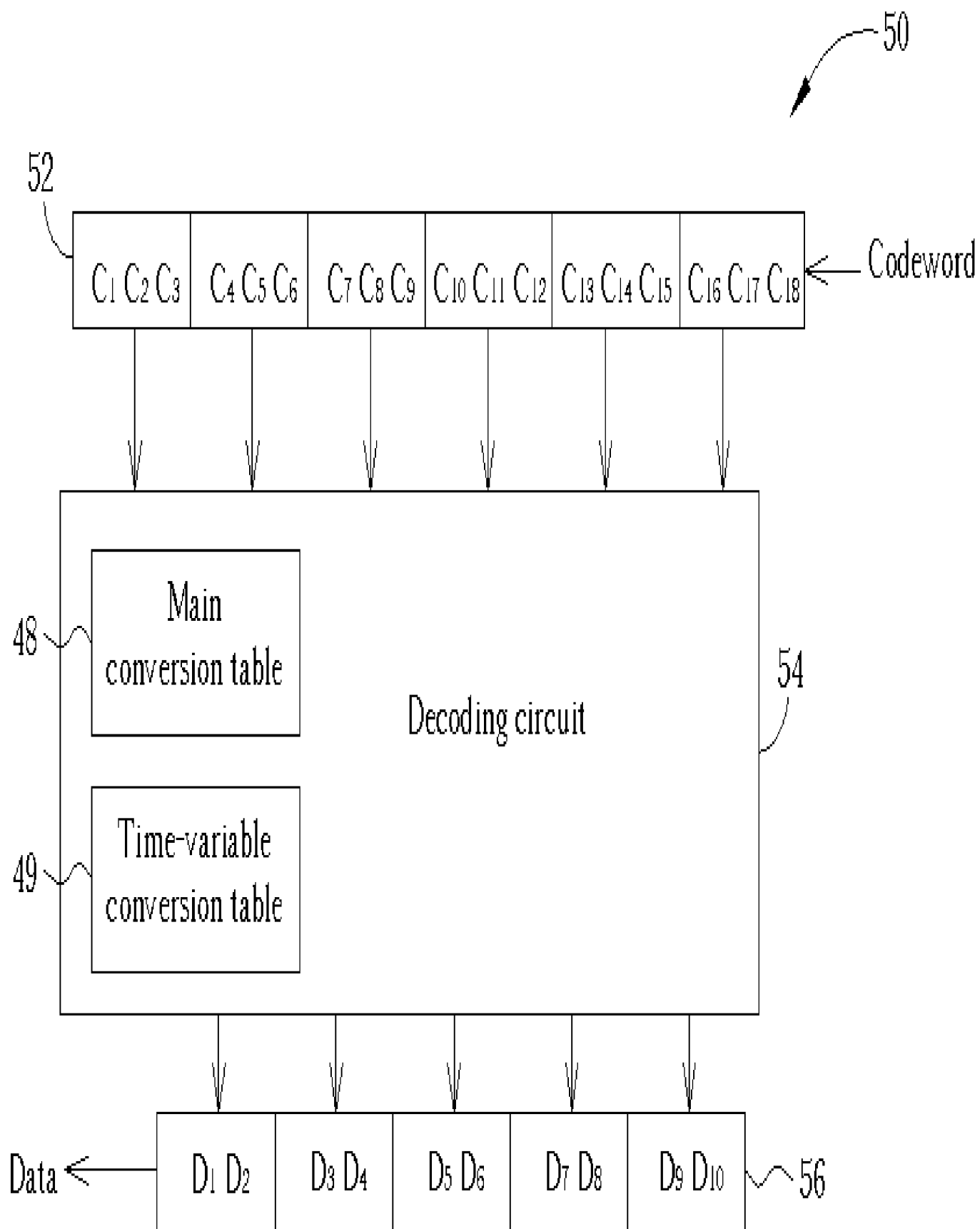


Fig. 5

		Previous Codeword Encoder only (C-2 C-1 C-0)	Source Words (D ₁ to D ₁₀)	Codewords (C ₁ to C ₁₅)
62		Substitutions for RMTR _{VAR} =(3, 4, 3) k _{VAR} =(6, 7, 7)		
		XX0 XX1	01.10.10.00.01	001.000.001.010.010
			00.11.10.11.00	001.010.010.010.010
			00.11.10.11.01	100.101.010.010.010
			00.11.10.11.01	000.010.010.010.010
64		Substitutions for RMTR= 4		
		Not 000	11.10.11.01.00	101.010.010.010.010
		Not 000	11.10.11.01.01	100.001.010.010.010
		Not 000	11.10.11.01.10	001.001.010.010.010
		Not 000	11.10.11.01.11	101.001.010.010.010
		Not 000	11.10.11.00.00	100.100.010.010.010
		Not 000	11.10.11.00.01	000.100.010.010.010
		Not 000	11.10.11.00.10	100.100.000.010.010
		Not 000	11.10.11.00.11	000.100.000.010.010

Fig. 6

Previous Codeword Encoder only (C ₋₂ C ₋₁ C ₋₀)	Source Words (D ₁ to D ₁₀)	Codewords (C ₁ to C ₁₅)	
72 {	Substitutions for RMTR _{VAR} =(4, 5, 4) k _{VAR} =(6, 7, 6)		
		11.00.01.11.00	100.001.010.010.010
		11.00.01.11.01	101.001.010.010.010
		11.00.01.11.10	100.100.000.010.010
		11.00.01.11.11	100.100.010.010.010
		01.00.01.11.00	001.000.001.010.010
		01.00.01.11.01	001.010.010.010.010
		01.00.01.11.10	001.001.010.010.010
	XX0	01.00.01.11.11	100.101.010.010.010
	XX1	01.00.01.11.11	000.010.010.010.010

Fig. 7

Substitutions for RMTR=5		
82		Source Words (D ₁ to D ₁₀)
		Codewords (C ₁ to C ₁₅)
		11.10.10.00.01
		100.010.010.010.010
Substitutions for RMTR=6		
84	Previous Codeword Encoder only (C ₋₂ C ₋₁ C ₋₀)	Source Words (D ₁ to D ₈)
		Codewords (C ₁ to C ₁₂)
	000	11.10.11.10
	Not 000	01.10.11.10
		01.10.11.10
		100.001.010.010
		101.010.010.010
		000.010.010.010
Substitutions for K= 7		
86	010	00.01.11.00
	010	00.01.11.01
	010	00.01.11.10
	010	00.01.11.11
		100.000.010.010
		100.010.010.010
		001.010.010.010
		000.001.010.010
Substitutions for K= 8		
88		Source Words (D ₁ to D ₆)
		Codewords (C ₁ to C ₉)
		00.00.00
		00.00.01
		10.00.00
		10.00.01
		000.010.010
		001.010.010
		100.010.010
		101.010.010
Substitutions for d= 1		
90		Source Words (D ₁ to D ₄)
		Codewords (C ₁ to C ₆)
		01.10
		01.11
		11.10
		11.11
		001.010
		000.010
		101.010
		100.010
Basic Substitutions		
92		Source Words (D ₁ to D ₂)
		Codewords (C ₁ to C ₃)
		00
		01
		10
		11
		000
		001
		100
		101

Fig. 8